

What is Claimed is:

1. An apparatus for assessing quality of a picture
in transmission on a picture transmission path having a
plurality of transmission processing units connected in
5 series, the apparatus comprising:

means for extracting characteristic values of a picture
transmitted on the picture transmission path at
predetermined points on the picture transmission path,
wherein the apparatus assesses the picture quality of the
10 picture based on the characteristic values of the picture.

2. An apparatus for remote-monitoring quality of a
picture in transmission that monitors quality of a picture
15 in transmission on a picture transmission path having a
plurality of transmission processing units connected in
series, the apparatus comprising:

means for extracting characteristic values of a picture
transmitted on the picture transmission path at
20 predetermined points on the picture transmission path;

transmission means for transmitting characteristic
values extracted by the characteristic value extracting
means, from each of the points to a central monitoring unit
at a low bit rate; and

25 the central monitoring unit for deciding whether an
abnormality has occurred in the picture quality or not, based

on the characteristic values transmitted from the respective points by the transmission means.

5 3. The apparatus for remote-monitoring picture quality of a picture in transmission according to Claim 2, wherein the central monitoring unit comprises:

 means for handling the characteristic values as time-series data, and frequency-converting the time-series
10 data;

 means for extracting amplitude components from the data obtained by the frequency conversion; and

 means for comparing the characteristic values between a plurality of points, based on a comparison of the amplitude
15 components.

 4. The apparatus for remote-monitoring picture quality of a picture in transmission according to Claim 2,
20 wherein said transmission means is one of a telephone network, a LAN and an IP network.